



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/734,700	12/11/2003	Balaji S. Thenthirupera	2493	8862

28005 7590 05/16/2006

SPRINT

6391 SPRINT PARKWAY

KSOPHT0101-Z2100

OVERLAND PARK, KS 66251-2100

EXAMINER

IQBAL, KHAWAR

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 05/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/734,700	Applicant(s) THENTHIRUPERAI ET AL.	
	Examiner Khawar Iqbal	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3/27/06
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25, 29 and 30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-25, 29 and 30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3-15-2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Reassignment Affecting Application Location

The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-25,29 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dyer (20020173318), and further in view of Vergin (20050049785).

3. Regarding **claim 1** Dyer teaches a method comprising (Fig. 1):

in a client station, detecting a request to initiate a call (para. # 0003,0019); and responsive to the request, sending from the client station into a network a message indicating how to carry out a location-based service (para. # 0019,0032-0036). Dyer does not specifically teach initiate a voice call.

In an analogous art, Vergin teaches initiate a voice call (para. # 0051). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dyer by specifically adding feature in order to enhance system performance initiate a voice call as taught by Vergin.

Regarding **claim 2** Dyer teaches wherein detecting the request to initiate the voice call comprises receiving a set of dialed digits from a user of the client station (para. # 0019,0033-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 3** Dyer teaches further comprising comparing the set of dialed digits to sets of dialed digits stored in a database of the client station (para. # 0019, 0033-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 4** Dyer teaches further comprising recognizing that the set of dialed digits corresponds to a selected telephone number (para. # 0019,0032-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 5** Dyer teaches wherein sending the message from the client station into the network comprises sending the message from the client station to a location-based service provider associated with the selected telephone number (para. # 0019,0033-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 6** Dyer teaches retrieving a location granularity preference of a user from memory of the client station; and sending the location granularity preference into the network (para. # 0019,0032-0036).

Regarding **claim 7** Dyer teaches wherein the location granularity preference is stored in the client station (para. # 0019,0032-0036).

Regarding **claim 8** Dyer teaches wherein the memory of the client station includes a plurality of location granularity preferences, wherein each location granularity preference corresponds to a respective location application (para. # 0019,0032-0036).

Regarding **claim 9** Dyer teaches wherein the message directs the network to determine a location of the client station (para. # 0019,0032-0036).

Regarding **claim 10** Dyer teaches wherein the message directs the network not to determine a location of the client station (para. # 0019,0033-0036).

Regarding **claim 11** Dyer teaches wherein the message indicates a location determination consent level of a user of the client station (para. # 0019,0033-0036).

Regarding **claim 12** Dyer teaches wherein the message indicates a location granularity preference of a user of the client station (para. # 0019,0033-0036).

Regarding **claim 13** Dyer teaches wherein the location granularity preference instructs the network to determine a location of the client station, and based on the location, to provide a randomly adjusted location of the client station to a location-based application that corresponds to the voice call (para. # 0019,0032-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 14** Dyer teaches further comprising receiving a location based service in response to the message from the network (para. # 0019,0033-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 15** Dyer teaches further comprising storing the location granularity preference on the client station (para. # 0019,0033-0036).

Regarding **claim 16** Dyer teaches further comprising the user modifying the location granularity preference on the client station (para. # 0019,0033-0036).

Regarding **claim 17** Dyer teaches further comprising receiving a response to the message from the network indicating a location of the client station (para. # 0019,0033-0036).

Regarding **claim 18** Dyer teaches wherein sending the message from the client station into the network comprises sending a short message service message into the network (para. # 0019,0033-0036, also see claim 1 and see Vergin para. # 0019).

Regarding **claim 19** Dyer teaches wherein sending the message from the client station into the network comprises sending an HTTP message into the network (para. # 0019,0033-0036).

Regarding **claim 20** Dyer teaches wherein sending the message from the client station into the network comprises sending an SIP message into the network (para. # 0019,0033-0036).

Regarding **claim 21** Dyer teaches wherein sending from the client station into the network the message indicating how to carry out the location-based service comprises sending the message via a communication path comprising an air interface (para. # 0019, 0033-0036).

Regarding **claim 22** Dyer teaches a method comprising (figs. 1-4):
receiving a request from a user to place a call to a given directory number (para. # 0019,0032-0036); recognizing that the given directory number is associated with a particular destination party (para. # 0019,0032-0036); and responsive to the request and before initiating the voice call to the given directory number, sending to the

Art Unit: 2617

particular destination party a message indicating a location granularity preference of the user (para. # 0019,0032-0036). Dyer does not specifically teach initiate a voice call.

In an analogous art, Vergin teaches initiate a voice call (para. # 0051). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dyer by specifically adding feature in order to enhance system performance initiate a voice call as taught by Vergin.

Regarding **claim 23** Dyer teaches wherein the given directory number corresponds to a location-based application (para. # 0019,0033-0036).

Regarding **claim 24** Dyer teaches wherein the particular destination party corresponds to an entity selected from the group consisting of a location-based application and a location system (para. # 0019,0033-0036).

Regarding **claim 25** Dyer teaches wherein recognizing that the given directory number is associated with the particular destination party comprises comparing the given directory number with location-based service numbers stored on a client station of the user (para. # 0019,0033-0036).

Regarding **claim 29** Dyer teaches a client station comprising (fig. 1):

a processor; data storage (para. # 0019,0032-0036); and program logic stored in the data storage and executable by the processor, detect a request to initiate a call, and responsive to the request, send into a network a message indicating how to carry out a location-based service (para. # 0019,0032-0036). Dyer does not specifically teach initiate a voice call.

In an analogous art, Vergin teaches initiate a voice call (para. # 0051). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Dyer by specifically adding feature in order to enhance system performance initiate a voice call as taught by Vergin.

Regarding **claim 30** Dyer teaches wherein the client station is selected from the group consisting of a mobile station and a landline station (para. # 0019,0033-0036).

Response to Arguments

4. Applicant's arguments with respect to claims 1-25 and 29-30 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kuwahara et al (20040014501) and Willars (6597679) teach allows mobile station to take measurements on another frequency in preparation for inters frequency transfer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khawar Iqbal whose telephone number is 571-272-7909.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

Art Unit: 2617

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal


JOSEPH FEILD
SUPERVISORY PATENT EXAMINER